



SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Forssmann, Wolf-Georg
Schulz-Knappe, Peter
Meyer, Markus
Magert, Hans-Jurgen

(ii) TITLE OF INVENTION: HUMAN CIRCULATING CYTOKINE CC-1

(iii) NUMBER OF SEQUENCES: 11

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
(B) STREET: The Jenifer Building, 400 Seventh St. N.W.
(C) CITY: Washington
(D) STATE: DC
(E) COUNTRY: USA
(F) ZIP: 20004

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/666,340
(B) FILING DATE: 18-AUG-1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/EP94/04282
(B) FILING DATE: 22-DEC-1994

(viii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE 43 44 397.4
(B) FILING DATE: 24-DEC-1993

(ix) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE 44 27 395.9
(B) FILING DATE: 03-AUG-1994

(x) ATTORNEY/AGENT INFORMATION:

(A) NAME: Player, William E.
(B) REGISTRATION NUMBER: 31,409
(C) REFERENCE/DOCKET NUMBER: 10496/P60448USO

(xi) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 202-638-6666
(B) TELEFAX: 202-393-5350

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 32 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCCCCGGAATT CTAGACARCG NATHATGGAY TA

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(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 32 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CCCGAATTCT AGAARTAYCC NATHCCNCGN CA

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(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 32 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GCCCCGGAATT CTAGACARAG RATHATGGAY TA

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(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Lys Tyr Pro Ile Pro Arg Glu Arg Ile Met Asp Tyr
1 5 10

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 32 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CCCGAATTCT AGAARTAYCC NATHCCNAGR CA

32

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 74 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Thr Lys Thr Glu Ser Ser Ser Arg Gly Pro Tyr His Pro Ser Glu Cys
1 5 10 15

Cys Phe Thr Tyr Thr Tyr Lys Ile Pro Arg Gln Arg Ile Met Asp
20 25 30

Tyr Tyr Glu Thr Asn Ser Gln Cys Ser Lys Pro Gly Ile Val Phe Ile
35 40 45

Thr Lys Arg Gly His Ser Val Cys Thr Asn Pro Ser Asp Lys Trp Val
50 55 60

Gln Asp Tyr Ile Lys Asp Met Lys Glu Asn
65 70

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 123 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

TATGAGACCA	GCAGCCAGTG	CTCCAAGCCC	GGAATTGTCT	TCATCACCAA	AAGGGGCCAT	60
TCCGTCTGTA	CCAACCCCAG	TGACAAGTGG	GTCCAGGACT	ATATCAAGGA	CATGAAGGAG	120
AAC						123

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 47 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Gln	Arg	Ile	Met	Asp	Tyr	Tyr	Glu	Thr	Ser	Ser	Gln	Cys	Ser	Lys	Pro
1				5				10						15	
Gly	Ile	Val	Phe	Ile	Thr	Lys	Arg	Gly	His	Ser	Val	Cys	Thr	Asn	Pro
				20				25						30	
Ser	Asp	Lys	Trp	Val	Gln	Asp	Tyr	Ile	Lys	Asp	Met	Lys	Glu	Asn	
				35				40						45	

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 330 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 11..151

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

GAATTCTAGA	CAG	CGG	ATC	ATG	GAT	TAC	TAT	GAG	ACC	AGC	AGC	CAG	TGC	49	
Gln	Arg	Ile	Met	Asp	Tyr	Tyr	Glu	Thr	Ser	Ser	Gln	Cys			
1				5				10							
TCC	AAG	CCC	GGA	ATT	GTC	TTC	ATC	ACC	AAA	AGG	GGC	CAT	TCC	GTC	TGT
Ser	Lys	Pro	Gly	Ile	Val	Phe	Ile	Thr	Lys	Arg	Gly	His	Ser	Val	Cys
15				20				25							97

ACC AAC CCC AGT GAC AAG TGG GTC CAG GAC TAT ATC AAG GAC ATG AAG	145
Thr Asn Pro Ser Asp Lys Trp Val Gln Asp Tyr Ile Lys Asp Met Lys	
30 35 40 45	
GAG AAC TGAGTGACCC AGAAGGGGTG GCGAAGGCAC AGCTCAGAGA CATAAAGAGA	201
Glu Asn	
AGATGCCAAG GCCCCCTCCT CCACCCACCC CTAACCTCTCA GCCCCAGTCA CCCTCTTGGA	261
GCTTCCCTGC TTTGAATTAA AGACCACTCA TGCTCTCAA AAAAAAAA AAAATGAGCT	321
CTAGAATT	330

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 47 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Gln Arg Ile Met Asp Tyr Tyr Glu Thr Asn Ser Gln Cys Ser Lys Pro	
1 5 10 15	
Gly Ile Val Phe Ile Thr Lys Arg Gly His Ser Val Cys Thr Asn Pro	
20 25 30	
Ser Asp Lys Trp Val Glu Asp Tyr Ile Lys Asp Met Lys Glu Asn	
35 40 45	

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 35 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

(A) DESCRIPTION: /desc = "PCR primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCTGAATTCT AGAGCTCATT TTTTTTTTTT TTTTT